

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of an exclusive u-turn phase for the westbound approach at the intersection of US 50 (Ocean Gateway) and MD 589 (Racetrack Road) in Worcester County. US 50 is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- The intersection is to operate in a NEMA 5-phase, semi-actuated mode, with exclusive left turn phasing for the eastbound US 50 approach and exclusive u-turn phasing for the westbound US 50 approach.
- The existing NEMA full-traffic-actuated, eight (8) phase controller housed in a NEMA 5 pole-mounted cabinet is utilized at this location.

NOTES

- The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly labeling each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- The contractor shall maintain the continuous operation of all interconnect, vehicular, pedestrian detectors, and lighting devices. If any device is damaged by the contractor, it shall be repaired within 72 hours by the contractor at no cost to the Administration after notification by the Engineer.

CONTACTS

DISTRICT ONE:

MR. DONNIE L. DREW
DISTRICT ENGINEER
410-677-4006

MR. KENNETH CIMINO
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-677-4040

MR. BRUCE W. POOLE
UTILITY ENGINEER
410-677-4082

MR. GREG HOLSEY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-677-4020

MR. WAYNE WEICHMAN
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-677-4010

OFFICE OF TRAFFIC AND SAFETY:

MR. AVIJIT MAJI
CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7630

MR. ROBERT SNYDER
ASSITANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER, SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

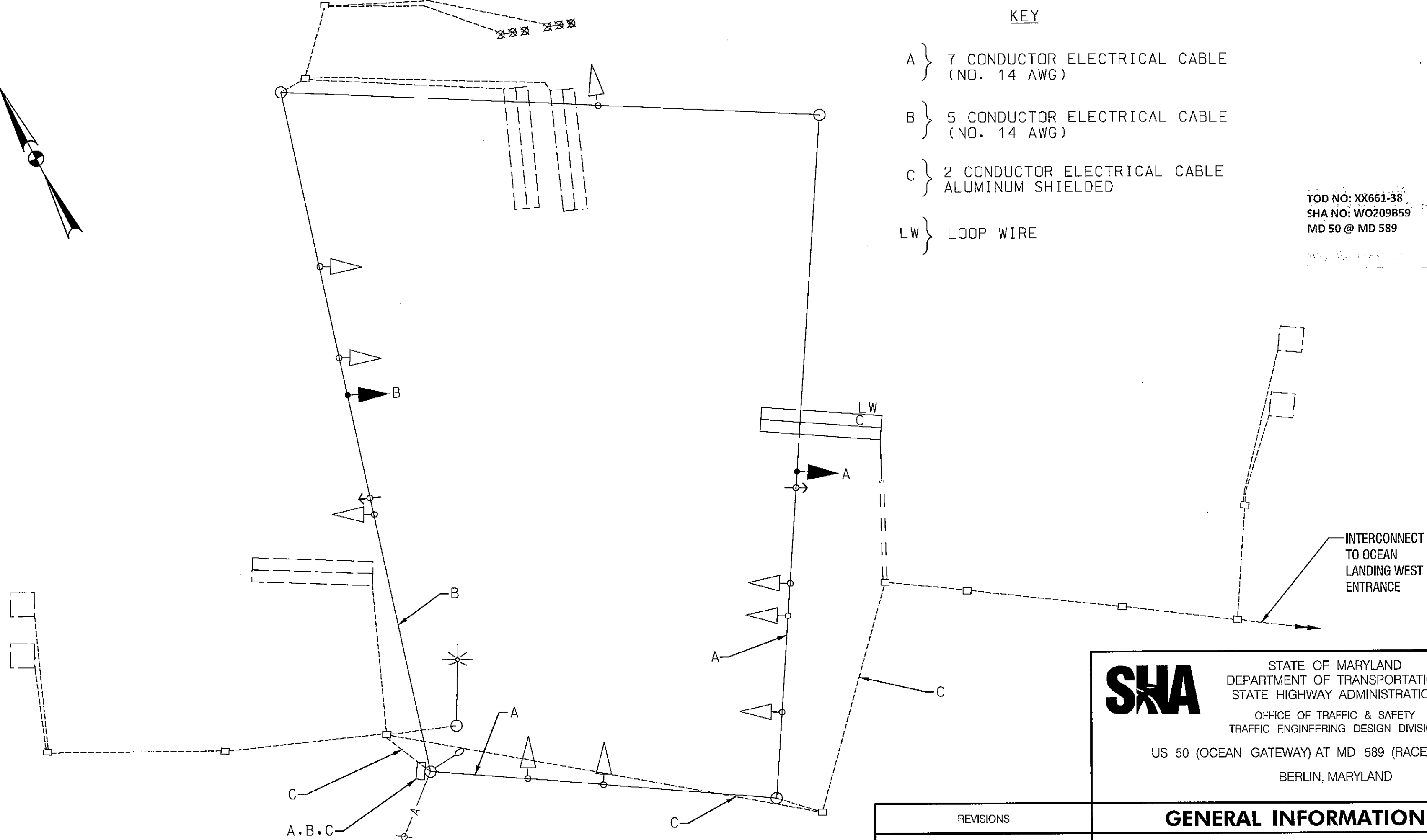
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
1001	MAINTENANCE OF TRAFFIC	EA	1
8001	12 INCH LED SIGNAL HEAD SECTION	EA	6
8005	ADJUST HANDHOLE TO GRADE WITH NEW FRAME AND COVER	EA	1
8052	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	200
8055	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	130
8056	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	210
8057	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	480
8058	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	140

C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11
PHASE 1 AND 5	←G-	←G-	R	R	↻G	↻G	R	R	R	R	R
1 AND 5 MAY CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6											
PHASE 1 AND 6	←G-	←G-	G	G	↻R	↻R	R	R	R	R	R
1 CHANGE	←Y-	←Y-	G	G	↻R	↻R	R	R	R	R	R
PHASE 2 AND 5	←R-	←R-	R	R	↻G	↻G	G	G	R	R	R
5 CHANGE	←R-	←R-	R	R	↻Y	↻Y	G	G	R	R	R
PHASE 2 AND 6	←R-	←R-	G	G	↻R	↻R	G	G	R	R	R
2 AND 6 CHANGE	←R-	←R-	Y	Y	↻R	↻R	Y	Y	R	R	R
PHASE 4	←R-	←R-	R	R	↻R	↻R	R	R	G	G	G
4 CHANGE	←R-	←R-	R	R	↻R	↻R	R	R	Y	Y	Y
FLASHING OPERATION	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/↻R	FL/↻R	FL/Y	FL/Y	FL/R	FL/R	FL/R
PRE-EMPTION A	←G-	←G-	G	G	↻R	↻R	R	R	R	R	R
PRE-EMPTION A CHANGE	←Y-	←Y-	G	G	↻R	↻R	R	R	R	R	R
PRE-EMPTION B	←R-	←R-	R	R	↻G	↻G	G	G	R	R	R
PRE-EMPTION B CHANGE	←R-	←R-	R	R	↻Y	↻Y	G	G	R	R	R

WIRING DIAGRAM



SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 50 (OCEAN GATEWAY) AT MD 589 (RACE TRACK ROAD)
BERLIN, MARYLAND

GENERAL INFORMATION SHEET

SCALE NOT TO SCALE ADVERTISED DATE JAN. 2013 CONTRACT NO. XX6815185
DESIGNED BY K. SPATH COUNTY WORCESTER
DRAWN BY K. SPATH LOGMILE 23005009.64
CHECKED BY A. GRIFFIN TMS NO. L753
F.A.P. NO. TOD NO.

TS NO. 375(F) DRAWING pSG OF N001 SHEET NO. 2 OF 2

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